

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/530,128
Source: PCT
Date Processed by STIC: 05/23/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/530,128

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

- 11 Use of <220> ~~Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules~~

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "**n**" can **only** represent a single nucleotide; "**Xaa**" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 05/23/2006

PATENT APPLICATION: US/10/530,128

TIME: 14:01:31

Input Set : E:\05-278 SeqList.txt

Output Set: N:\CRF4\05232006\J530128.raw

3 <110> APPLICANT: Choo, Yen
 5 <120> TITLE OF INVENTION: Cell Culture
 7 <130> FILE REFERENCE: P015366WO ATM
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/530,128
 C--> 10 <141> CURRENT FILING DATE: 2005-04-04
 12 <150> PRIOR APPLICATION NUMBER: GB0222846.8
 13 <151> PRIOR FILING DATE: 2002-10-03
 15 <160> NUMBER OF SEQ ID NOS: 48
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 67
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Label L1
 27 <400> SEQUENCE: 1
 29 tgcaggaatt cgcgctatgc taacgtgaag ccacgtcgcc gccgccgccg acccggccga 60
 31 attcctg 67
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 67
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Artificial sequence
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: Label L2
 43 <400> SEQUENCE: 2
 45 tgcaggaatt cgcgctatgc tgacgtgaag tcacgtcgcc accgccgccg acccggccga 60
 47 attcctg 67
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 67
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Label L3
 60 <400> SEQUENCE: 3
 62 tgcaggaatt cgcgctatgc tcacgtgaag acacgtcgcc tccgccgccg acccggccga 60
 64 attcctg 67
 69 <210> SEQ ID NO: 4
 70 <211> LENGTH: 67
 71 <212> TYPE: DNA
 72 <213> ORGANISM: Artificial sequence
 74 <220> FEATURE:
 75 <223> OTHER INFORMATION: Label L4
 77 <400> SEQUENCE: 4

Does Not Comply
 Corrected Diskette Needed
 (pg. 1-5)

Invalid Response
 PLS Explain the Source
 Genetic Material.
 See Stern II on
 Error
 Summary
 Sheet.

RAW SEQUENCE LISTING

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Input Set : E:\05-278 SeqList.txt

Output Set: N:\CRF4\05232006\J530128.raw

79 tgcaggaatt cgcgctatgc ttacgtgaag gcacgtcgcc cccgccgccg acccggccga 60
81 attcctg 67
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 67
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Label L5
94 <400> SEQUENCE: 5
96 tgcaggaatt cgcgctatgc taacgtgaag acacgtcgcc agcgccgccg acccggccga 60
98 attcctg 67
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 67
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Label L6
111 <400> SEQUENCE: 6
113 tgcaggaatt cgcgctatgc tagcgtgaag atacgtcgcc aacgccgccg acccggccga 60
115 attcctg 67
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 67
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Label L7
128 <400> SEQUENCE: 7
130 tgcaggaatt cgcgctatgc taccgtgaag aaacgtcgcc atcgccgccg acccggccga 60
132 attcctg 67
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 67
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Label L8
145 <400> SEQUENCE: 8
146 tgcaggaatt cgcgctatgc taccgtgaag agacgtcgcc accgccgccg acccggccga 60
148 attcctg 67
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 67
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Label L9
161 <400> SEQUENCE: 9
163 tgcaggaatt cgcgctatgc taaagtgaag acccgtcgcc accgccgccg acccggccga 60
165 attcctg 67
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 67

Same
Error

RAW SEQUENCE LISTING

DATE: 05/23/2006

PATENT APPLICATION: US/10/530,128

TIME: 14:01:31

Input Set : E:\05-278 SeqList.txt

Output Set: N:\CRF4\05232006\J530128.raw

172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Label L10
178 <400> SEQUENCE: 10
180 tgcaggaatt cgcgctatgc taaggtgaag actcgtcgcc acagccgccg acccggccga 60
182 attcctg 67
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 67
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Label L11
195 <400> SEQUENCE: 11
197 tgcaggaatt cgcgctatgc taacgtgaag acacgtcgcc actgccgccg acccggccga 60
199 attcctg 67
204 <210> SEQ ID NO: 12
205 <211> LENGTH: 67
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Label L12
212 <400> SEQUENCE: 12
214 tgcaggaatt cgcgctatgc taatgtgaag acgcgtcgcc accgccgccg acccggccga 60
216 attcctg 67
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 67
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Label L13
229 <400> SEQUENCE: 13
231 tgcaggaatt cgcgctatgc taacatgaag acacgtcgcc accgccgccg acccggccga 60
233 attcctg 67
238 <210> SEQ ID NO: 14
239 <211> LENGTH: 67
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Label L14
246 <400> SEQUENCE: 14
248 tgcaggaatt cgcgctatgc taacgtgaag acatgtcgcc accaccgccg acccggccga 60
250 attcctg 67
255 <210> SEQ ID NO: 15
256 <211> LENGTH: 67
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Label L15

Same
Error

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,128

DATE: 05/23/2006

TIME: 14:01:31

Input Set : E:\05-278 SeqList.txt

Output Set: N:\CRF4\05232006\J530128.raw

263 <400> SEQUENCE: 15
265 tgcaggaatt cgcgctatgc taacctgaag acaagtcgcc acctccgccg acccggccga 60
267 attcctg 67
272 <210> SEQ ID NO: 16
273 <211> LENGTH: 67
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Label L16
280 <400> SEQUENCE: 16
282 tgcaggaatt cgcgctatgc taacttgaag acaggtcgcc acccccgccg acccggccga 60
284 attcctg 67
289 <210> SEQ ID NO: 17
290 <211> LENGTH: 67
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Label 17
297 <400> SEQUENCE: 17
299 tgcaggaatt cgcgctatgc taacgagaag acacctcgcc accggcgccg acccggccga 60
301 attcctg 67
306 <210> SEQ ID NO: 18
307 <211> LENGTH: 67
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Label L18
314 <400> SEQUENCE: 18
316 tgcaggaatt cgcgctatgc taacgggaag acacttcgcc accgacgccg acccggccga 60
318 attcctg 67
323 <210> SEQ ID NO: 19
324 <211> LENGTH: 67
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Label L19
331 <400> SEQUENCE: 19
333 tgcaggaatt cgcgctatgc taacgcgaag acacatcgcc accgtcgccg acccggccga 60
335 attcctg 67
340 <210> SEQ ID NO: 20
341 <211> LENGTH: 67
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Label L20
348 <400> SEQUENCE: 20
350 tgcaggaatt cgcgctatgc taacgtgaag acacgtcgcc accgccgccg acccggccga 60
352 attcctg 67
357 <210> SEQ ID NO: 21

*Some
Errors*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,128

DATE: 05/23/2006

TIME: 14:01:31

Input Set : E:\05-278 SeqList.txt

Output Set: N:\CRF4\05232006\J530128.raw

358 <211> LENGTH: 67
359 <212> TYPE: DNA
360 <213> ORGANISM: Artificial sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: Label 21
365 <400> SEQUENCE: 21
367 tgcaggaatt cgcgctatgc taacgttaaag acacgccgcc accgcggccg acccggccga 60
369 attcctg 67
374 <210> SEQ ID NO: 22
375 <211> LENGTH: 67
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial sequence
379 <220> FEATURE:
380 <223> OTHER INFORMATION: Label 22
382 <400> SEQUENCE: 22
384 tgcaggaatt cgcgctatgc taacgtgaag acacgtcgcc accgcagccg acccggccga 60
386 attcctg 67
391 <210> SEQ ID NO: 23
392 <211> LENGTH: 67
393 <212> TYPE: DNA
394 <213> ORGANISM: Artificial sequence
396 <220> FEATURE:
397 <223> OTHER INFORMATION: Label L23
399 <400> SEQUENCE: 23
401 tgcaggaatt cgcgctatgc taacgtcaag acacgacgcc accgctgccg acccggccga 60
403 attcctg 67
408 <210> SEQ ID NO: 24
409 <211> LENGTH: 67
410 <212> TYPE: DNA
411 <213> ORGANISM: Artificial sequence
413 <220> FEATURE:
414 <223> OTHER INFORMATION: Label L24
416 <400> SEQUENCE: 24
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420 attcctg 67
425 <210> SEQ ID NO: 25
426 <211> LENGTH: 20
427 <212> TYPE: DNA
428 <213> ORGANISM: Artificial sequence
430 <220> FEATURE:
431 <223> OTHER INFORMATION: PCR primer
433 <400> SEQUENCE: 25
435 tgcaggaatt cgcgctatgc 20
440 <210> SEQ ID NO: 26
441 <211> LENGTH: 20
442 <212> TYPE: DNA
443 <213> ORGANISM: Artificial sequence
445 <220> FEATURE:
446 <223> OTHER INFORMATION: PCR primer

Same
Error

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/530,128

DATE: 05/23/2006

TIME: 14:01:32

Input Set : E:\05-278 SeqList.txt

Output Set: N:\CRF4\05232006\J530128.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date